



California Energy Commission Geothermal Summit



Harness the Power All Around Us

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California Energy Commission

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Progress in Meeting the Renewable Portfolio Standard (RPS)

Percent Renewable		
	2001	2004
PG&E	8.9%	11.7%
SCE	16.6%	18.1%
SDG&E	1.0%	4.4%



Average Additional Renewable Generation and Capacity Needed Per Year to Meet the RPS of 20% Renewables by 2010?

Generation (GWh)	
PG&E	1,145
SCE	571
SDG&E	415
Statewide	2,840

Capacity (MW)	
PG&E	261
SCE	130
SDG&E	95
Statewide	648



RPS Certification

- 428 facilities certified as eligible for the RPS
 - 414 are existing facilities
 - 554 MW represents proposed new capacity

Fuel	# of Facilities	MW
Biomass	33	639
Digester Gas	9	127
Geothermal	45	2299
Landfill Gas	34	195
MSW	2	23
PV	3	0.02
Small Hydro	184	737
Solar Thermal	10	480
Wind	108	1912



RPS Eligibility

- Pre-certification for proposed projects
- Certification for on-line facilities
- RPS Eligibility
 - Must meet fuel specific criteria
 - Participate in tracking system










Certifying Geothermal Facilities

Online Date	Eligibility	Requires Supplemental Information?
Before September 26, 1996	Eligible for the RPS but only for the IOU's baseline.	No
Between September 26, 1996 and January 1, 2002	Eligible for the RPS but not for Supplemental Energy Payments (SEPs)	No
On or After January 1, 2002	May be eligible for both RPS and SEPs.	No
Incremental Geothermal (Eligible Capital expenditures after 1996.)	Eligible for the RPS but not for SEPs.	Yes



Supplemental Information Required for Incremental Geothermal Facilities

-  Proof that the incremental generation resulted from a capital expenditure after September 26, 1996.
-  Expected production increase from the facility.
-  Relationship between investments and production increases.
-  Facility's historical and projected generation.
-  Rationale for assigning overall incremental production to an individual generating facility.
-  Sustainability of the facility's increased production.
-  How to verify the facility's incremental production.



For More Information

www.energy.ca.gov/portfolio

For More Information Please Contact
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